

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A copolymer of ethylene and a vinyl compound (I) selected from the group consisting of vinylcyclohexane and 3-methyl-1-butene ~~represented by the general formula $\text{CH}_2=\text{CH}-\text{R}$, wherein R is a saturated hydrocarbon group, the steric parameter E_s of the substituent R is from 2.77 to 1.64 and the steric parameter B1 of the substituent R is from 1.53 to 2.90; wherein the copolymer has no crystallinity,~~ the copolymer has a structure in which carbons substituted with a cyclohexyl group or isopropyl group are separated from each other by one methylene unit in its skeleton and the content of a unit derived from the vinyl compound (I) in the copolymer is from 5 to 90 mol%.

2. (Canceled)

3. (Currently Amended) The copolymer according to claim 1, wherein the content of a unit derived from the vinyl compound (I) in the copolymer is from 5 to 90 25 mol%.

4-6. (Canceled)

7. (Original) The copolymer according to claim 1, wherein the vinyl compound (I) is vinylcyclohexane.

8. (Canceled)

9. (Original) A molded article comprising the copolymer of claim 1.

10. (Canceled)

11. (Original) The molded article according to claim 9, the molded article is a film, a sheet or a pipe.

12. (Canceled)

13. (Original) An adhesive comprising the copolymer of claim 1 as an effective ingredient.

14. (Canceled)

15. (Original) A laminate comprising the copolymer of claim 1.

16. (Canceled)

17. (New) The copolymer according to claim 1, wherein the copolymer has no crystallinity.

18. (New) The copolymer according to claim 1, wherein the content of a unit is derived from the vinyl compound (I) in the copolymer is from 40 to 90 mol%.

19. (New) The copolymer according to claim 17, wherein the content of a unit derived from the vinyl compound (I) in the copolymer is from 40 to 90 mol%.

20. (New) The adhesive according to claim 13, wherein the adhesive contains a solvent of 150 to 3000 parts by weight per 100 parts by weight of the copolymer.